

Docket No.  
PP01445.003**Declaration For Patent Application****English Language Declaration**

COPY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

**HEPATITIS C VIRAL ANTIGEN IMMUNOASSAY DETECTION SYSTEMS**

the specification of which

(check one)

☐ is attached hereto.

☒ was filed on 25 July 2000 as United States Application No. or PCT International

Application Number PCT/US00/20214

and was amended on \_\_\_\_\_

(if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or Section 365(b) of any foreign application(s) for patent or inventor's certificate, or Section 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate or PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority Not Claimed

N/A

☐

(Number)

(Country)

(Day/Month/Year Filed)

☐

(Number)

(Country)

(Day/Month/Year Filed)

☐

(Number)

(Country)

(Day/Month/Year Filed)

I hereby claim the benefit under 35 U.S.C. Section 119(e) of any United States provisional application(s) listed below:

**60/146079**

**28 July 1999**

(Application Serial No.)

(Filing Date)

(Application Serial No.)

(Filing Date)

(Application Serial No.)

(Filing Date)

I hereby claim the benefit under 35 U. S. C. Section 120 of any United States application(s), or Section 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. Section 112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, CFR Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application;

N/A

(Application Serial No.)

(Filing Date)

(Status)  
(patented, pending, abandoned)

(Application Serial No.)

(Filing Date)

(Status)  
(patented, pending, abandoned)

(Application Serial No.)

(Filing Date)

(Status)  
(patented, pending, abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

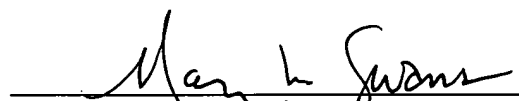
Full name of sole or first inventor <b>CHIEN, David Y.</b>	<i>David Y. Chien</i>	<i>Jan. 25, 2002</i>
Sole or first inventor's signature		Date January 2002
Residence 1121 Douglas Court, Alamo, California 94507		
Citizenship U.S.A.		
Post Office Address same as above		

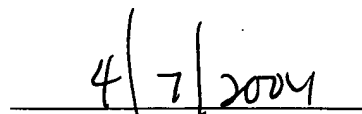
Full name of second inventor, if any <b>ARCANGEL, Phillip</b>		
Second inventor's signature <i>Pharcel</i>		Date 24 January 2002
Residence 567 ORKLAND AVE #310 OAKLAND CA 94611		
Citizenship U.S.A.		
Post Office Address same as above		

Full name of third inventor, if any	
Third inventor's signature	Date
Residence	
Citizenship	
Post Office Address	

Full name of fourth inventor, if any	
Fourth inventor's signature	Date
Residence	
Citizenship	
Post Office Address	

I hereby certify that this paper is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated below and is addressed to: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

  
Nancy L. Swanson

  
Date

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: D. Chien and P. Arcangel  
U.S. Application No. Unassigned  
Filing Date: Even Date Herewith  
Group Art Unit: Unassigned  
Examiner: Unassigned  
For: HEPATITIS C VIRAL ANTIGEN IMMUNOASSAY  
DETECTION SYSTEMS

**POWER OF ATTORNEY FOR PATENT APPLICATION**

Mail Stop: Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

As assignee of record of the above-identified continuation patent application, I hereby appoint the following as my attorneys with full power of substitution to prosecute this application and transact all business in the patent office connected therewith:

Comprising Chiron Corporation, Emeryville, California:

<u>Name</u>	<u>Reg. No.</u>	<u>Name</u>	<u>Reg. No.</u>
Lisa E. Alexander	41,576	Robert P. Blackburn	30,447
Steven W. Collier	42,429	Young J. Suh	41,337
Rebecca M. Hale	45,680	Alisa A. Harbin	33,895
Charlene A. Launer	33,035	Marcella Lillis	36,583
Michael J. Moran	42,013	T. Helen Payne	36,889

Comprising the firm of Robins & Pasternak LLP, Palo Alto, California:

Roberta L. Robins  
Registration No. 33,208

Dahna S. Pasternak  
Registration No. 41,411

Please direct all telephone calls regarding this application to Roberta L. Robins at  
Robins & Pasternak LLP: Telephone (650) 493-3400; Facsimile (650) 493-3440.

Address for ALL Correspondence:

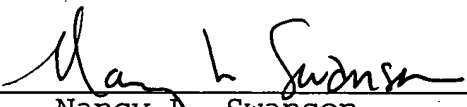
Chiron Corporation  
Intellectual Property  
P.O. Box 8097  
Emeryville, CA 94662-8097

CHIRON CORPORATION

By: Marcella Lillis  
Marcella Lillis  
Assistant Secretary

Dated this 7<sup>th</sup> day of April, 2004

I hereby certify that this paper is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated below and is addressed to: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

  
Nancy L. Swanson

4/7/2004  
Date

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: D. Chien and P. Arcangel  
U.S. Application No. Unassigned  
Filing Date: Even Date Herewith  
Group Art Unit: Unassigned  
Examiner: Unassigned  
For: HEPATITIS C VIRAL ANTIGEN IMMUNOASSAY  
DETECTION SYSTEMS

**CERTIFICATE UNDER 37 C.F.R. § 3.73(b)**

Mail Stop: Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

CHIRON CORPORATION, a Corporation  
(Name of Assignee) Type of Assignee, e.g., corporation, partnership, university, government gency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest,  
or
2. ☐ an assignee of an undivided part interest in the patent application/patent identified above by virtue of either:

**DO NOT FORWARD TO ASSIGNMENT BRANCH**

A. ☒ An Assignment from the inventor(s) of the patent application/patent identified above. The patent application identified above is a continuation of U.S. Patent Application No. 10/048,191, filed January 25, 2002, wherein an Assignment was recorded in the Patent and Trademark Office on January 25, 2002, at Reel/Frame 012811/0814, for which a copy thereof is attached.

B. ☐ A chain of title from the inventor(s) of the patent application/patent identified above to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

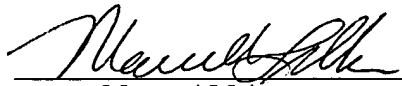
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☒ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the PTO. See MPEP 302-302.8]

The undersigned is empowered to act on behalf of the assignee.

Signature:   
Name: Marcella Lillis  
Title: Assistant Secretary  
CHIRON CORPORATION

Date: 4-7-04

**DO NOT FORWARD TO ASSIGNMENT BRANCH**



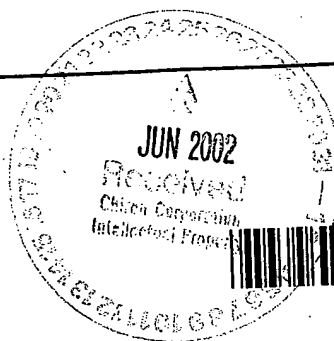
UNITED STATES  
PATENT AND  
TRADEMARK OFFICE

JUNE 20, 2002

PTAS

Chief Information Officer  
Washington, DC 20231  
www.uspto.gov

CHIRON CORPORATION  
REBECCA M. HALE  
PO BOX 8097  
INTELLECTUAL PROPERTY -R338  
EMERYVILLE, CA 94662-8097



\*102065544A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 01/25/2002

REEL/FRAME: 012811/0814  
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
CHIEN, DAVID Y.

DOC DATE: 01/24/2002

ASSIGNOR:  
ARCANGEL, PHILLIP

DOC DATE: 01/25/2002

ASSIGNEE:  
CHIRON CORPORATION  
4560 HORTON STREET  
EMERYVILLE, CALIFORNIA 94608

SERIAL NUMBER: 10048191  
PATENT NUMBER:

FILING DATE: 01/25/2002  
ISSUE DATE:

TONYA LEE, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

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Atty. RAH PA 10048191  
File # 10048191 Ext 503  
Due Date \_\_\_\_\_  
Final Date \_\_\_\_\_



A/D 51-40

Fcket No.: PP01445.003

10/048191

FORM PTO-1595 (Modified)  
(Rev. 6-93)  
OMB No. 0651-0011 (exp. 4/94)  
Copyright 1996-97 LegalStar  
P08A/REV02

04-24-2002



102065544

Tab settings → → → ▼

To the Honorable Commis

## 1. Name of conveying party(ies):

David Y. Chien  
Phillip Arcangel

01/25/02

Additional names(s) of conveying party(ies)

☐ Yes ☐ No

## 3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other

Execution Date: January 24, 2002 and January 25, 2002

COVER SHEET

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

ONLY

JG13 Rec'd PCT/PTO 25 JAN 2002

ie record the attached original documents or copy thereof.

## 2. Name and address of receiving party(ies):

Name: Chiron Corporation

Address: 4560 Horton Street

City: Emeryville

State/Prov.: CA

Country: USA

ZIP: 94608

Additional name(s) &amp; address(es)

☐ Yes ☐ No

## 4. Application number(s) or registration numbers(s):

If this document is being filed together with a new application, the execution date of the application is: 25 January 2002

Patent Application No.

Filing date

B. Patent No.(s)

02/04/2002 SNAJARRD 00000090 10048191

04 FC:581

40.00 OP

Additional numbers

☐ Yes ☐ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Rebecca M. Hale

Registration No. 45,680

Address: Chiron Corporation

Intellectual Property -R338

PO Box 8097

City: Emeryville

State/Prov.: CA

Country: USA

ZIP: 94662-8097

## 6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41):.....\$ 40.00

☒ Enclosed - Any excess or insufficiency should be credited or debited to deposit account☐ Authorized to be charged to deposit account

## 8. Deposit account number:

03-1664

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## 9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Rebecca M. Hale

Name of Person Signing

Rebecca M. Hale

Signature

25 January 2002

Date

4

Total number of pages including cover sheet, attachments, and

**ASSIGNMENT**

*WHEREAS, We, DAVID Y. CHIEN and PHILLIP ARCANGEL*

hereinafter referred to as **ASSIGNORS**, have co-invented certain improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention:     **HEPATITIS C VIRAL ANTIGEN IMMUNOASSAY DETECTION SYSTEMS**

Filing Date:                     Evendate Herewith

Serial No:                       Unassigned

*WHEREAS, CHIRON CORPORATION*, located at 4560 Horton Street, Emeryville, California 94608-2916, hereinafter referred to as **ASSIGNEE**, is desirous of acquiring the entire right, title and interest in the said invention and application and in any Letters Patent which may be granted on the same;

*NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN:* Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to **ASSIGNORS** by **ASSIGNEE**, receipt of which is hereby acknowledged, **ASSIGNORS** have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said **ASSIGNEE**, and **ASSIGNEE'S** successors and assigns, all right, title and interest in and to the said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions (**including conversions claiming priority under 35 U.S.C. § 119(e)**), reissues, prolongations or extensions thereof, the said interest to be held and enjoyed by said **ASSIGNEE** as fully and exclusively as it would have been held and enjoyed by said **ASSIGNORS** had this assignment and transfer not been made, to the full end and term of any Letters Patent.

**ASSIGNORS** also agree that the U.S. serial number and the filing date may be entered above by **ASSIGNEE** or its agents upon designation of the serial number and the filing date by the U.S. Patent and Trademark Office.

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TO  
INVENT BRANCH

**ASSIGNORS** further agree that they will, without charge to said **ASSIGNEE**, but at **ASSIGNEE'S** expense, cooperate with **ASSIGNEE** in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as **ASSIGNEE** lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said **ASSIGNEE**, or **ASSIGNEE'S** successors and assigns.

*IN TESTIMONY WHEREOF*, **ASSIGNORS** have hereunto signed their names to this assignment on the dates indicated below.

INVENTOR: DAVID Y. CHIEN

DATE Jan - 25, 2002

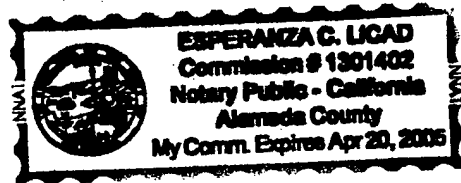
David Y. Chien  
Signature  
David Y. Chien

State of California  
County of Alameda

On Jan 25, 2002 before me, Esperanza Licad, Notary Public, personally appeared David Y. Chien, personally known to me ~~OR proved to me on the basis of satisfactory evidence~~ to be the person whose name is subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity(~~ies~~), and that by his/~~her/their~~ signature(~~s~~) on the instrument the person(~~s~~), or the entity upon behalf of which the person(~~s~~) acted, executed the instrument.

WITNESS my hand and official seal.

Esperanza Licad  
Signature of Notary Public



Notary Seal

**ASSIGNORS** further agree that they will, without charge to said **ASSIGNEE**, but at **ASSIGNEE'S** expense, cooperate with **ASSIGNEE** in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as **ASSIGNEE** lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said **ASSIGNEE**, or **ASSIGNEE'S** successors and assigns.

IN TESTIMONY WHEREOF, **ASSIGNORS** have hereunto signed their names to this assignment on the dates indicated below.

INVENTOR: PHILLIP ARCANGEL

DATE 1/24/02

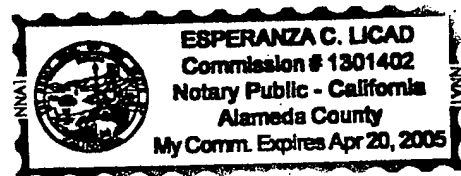
  
Signature

State of California  
County of Alameda

On Jan 24, 2002 before me, Esperanza C. Licad, Notary Public, personally appeared Phillip Arcangel, personally known to me ~~OR proved to me on the basis of satisfactory evidence~~ to be the person whose name is subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity(~~ies~~), and that by his/~~her/their~~ signature(~~s~~) on the instrument the person(~~s~~), or the entity upon behalf of which the person(~~s~~) acted, executed the instrument.

WITNESS my hand and official seal.

  
Signature of Notary Public



Notary Seal